## **DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION** ☐ Substitute **⊠**Original □ Supplemental As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled METHODS AND COMPOSITIONS TARGETING TYROSINE KINASES FOR THE DIAGNOSIS AND TREATMENT OF OSTEOARTHRITIS the specification of which: is attached hereto. was filed on as Application No. (day/month/year) and, if this box ( ) contains an x was amended on (day/month/year) w as filed as Patent Cooperation Treaty international Application No. PCT/EP2004/004052 16.04.2004 on (day/month/year) and, if this box (□) contains an × entered the national stage in the United States and was accorded Application No. and, if this box (□) contains an ×

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

was amended, subsequent to entry into the national stage, on

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

(day/month/year)

## US Case DC/4-33157A/USN

٦٠

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

COUNTRY/REGION APPLICATION No. (OR P.C.T.)	FILING DATE (day/month/year)	PRIORITY CLAIMED
--	---------------------------------	------------------

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

	APPLICATION NO.	FILING DATE (day/month/year)
_		

60/463,935 18.04.2003

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) listed below and under 35 U.S.C. 365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below:

United States	United States	Status (Pending,	International	
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date
	(day/month/year)	Patent No.)		(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box ( $\square$ ) contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of sole or first joint inventor			
Inventor's signature	Sherif Warnh Sherif DAOUTI	Date	g/g/o5 (day/month/year)
Residence	Hasbrouck Heights, NJ		
Citizenship	USA		
Post Office Address	137 Berkshire Road, Hasbrouck Heights, NJ 07604,		
	USA		
Full name of second joint inventor, if any			
Inventor's signature		Date	
	Chandrika Saidapet KUMAR		(day/month/year)
Residence	Acton, MA		
Citizenship	USA		
Post Office Address	2 Beechnut Street		
	Acton, MA 01720		
	USA		

Full name of third joint inventor, if any			
Inventor's signature		Date	
	Brian Jude LATARIO	•	(day/month/year)
Residence	Groton, MA		
Citizenship	USA		
Post Office Address	495 Martins Pond Road		
	Groton MA 01450		
	USA		

## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

⊠Original	☐ Supplemental		Substitute
As a below named inventor, I here	by declare that:		
My residence, post office address	and citizenship are a	as stated below next to my	name, and
believe I am the original, first an and joint inventor (if more than one which a United States patent is so	e name is listed belo	w) of the subject matter w	
METHODS AND COMPOSITIONS TREATMENT OF OSTEOARTHR		OSINE KINASES FOR TI	HE DIAGNOSIS AND
the specification of which:			
☐ is attached hereto.			
□ was filed on(da	as A n/month/year)	pplication No.	
and, if this box (□) contain	s an ×		
□ was amended on	(day/month/year)	-	
☑ w as filed as Patent Coope	ation Treaty interna	tional Application No.	
PCT/EP2004/004052		4.2004 onth/year)	
and, if this box ( $\Box$ ) contain	s an 🗴		
entered the nations	al stage in the Unite	d States and was accorde	d Application No.
and, if this box (□) contain	s an ×		
□ was amended, sub	esequent to entry int	o the national stage, on	(day/month/year)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

## US Case DC/4-33157A/USN

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

COUNTRY/REGION APPLICATION No. (OR P.C.T.)	FILING DATE (day/month/year)	PRIORITY CLAIMED
--	------------------------------	------------------

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

APPLICATION NO.	FILING DATE (day/month/year)

60/463,935 18.04.2003

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) listed below and under 35 U.S.C. 365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below:

United States	United States	Status (Pending,	Interna	tional
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date
	(day/month/year)	Patent No.)	<u></u>	(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box  $(\Box)$  contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

	<del></del>	
Full name of sole or first joint inventor		
Inventor's signature	Date	
	Sherif DAOUTI	(day/month/year)
Residence	Hasbrouck Heights, NJ	
Citizenship	USA	
Post Office Address	137 Berkshire Road, Hasbrouck Heights, NJ 07604,	
	USA	
Full name of second joint inventor, if any		
Inventor's signature	Chandrika Sandapet Kumar Date Chandrika Saidapet KUMAR	(day/month/year)
Residence	Acton, MA	
Citizenship	USA	
Post Office Address	2 Beechnut Street	
	Acton, MA 01720	
	USA	

**. ?** •

Full name of third joint inventor, if any

Inventor's signature

TION INDO ATABIO

(day/month/year)

Date

Residence

Groton, MA

Citizenship

USA

Post Office Address

495 Martins Pond Road

Groton MA 01450

USA